

Form PTO-1449	DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	SERIAL NO. Unknown	ATTY DOCKET NO. AP190HO
INFORMATION DISCLOSURE CITATION (USE SEVERAL SHEETS IF NECESSARY) PAGE 1 OF 2		APPLICANT(S) William Chen	
		FILING DATE Herewith	GROUP Not Yet Assigned

### U.S. PATENT DOCUMENTS

E.I.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
AA	6,519,662	2/11/03	Clapp, et al.			
AB	2003/0020803	1/30/03	Yang, et al.			
AC	2002/0199199	12/26/02	Rodriguez			
AD	2002/0092030	7/11/02	Gu			
AE	6,490,319	12/3/02	Yang			
AF	2002/0141498	10/3/02	Martins, et al.			
AG	6,178,204	1/23/01	Hazra			
AH	6,356,664	3/12/02	Dunn, et al.			
AI	2002/0196848	12/26/02	Roman			
AJ	2003/0103678	6/5/03	Hsuan			
AK	2003/0095598	5/22/03	Lee, et al.			

### FOREIGN PATENT DOCUMENTS

E.I.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
AL						
AM						
AN						
AO						
AP						
AQ						

### OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

AR	<i>"New Fast Algorithms for the Estimation of Block Motion Vectors."</i> Bede Liu and Andre Zaccarin, IEEE Transactions on Circuits and Systems for Video Technology, Vol. 3, No. 2, pp. 148-157, April 1993				
AS	<i>"Computation Reduction for Motion Search in Low Rate Video Coders,"</i> J.-F. Yang, S.-C. Chang, and C.-Y. Chen, IEEE Transactions on Circuits and Systems for Video Technology, Vol. 12, No. 10, pp. 948-951, October 2002.				
AT	<i>"Efficient Mode Selection for Block-Based Motion Compensated Video Coding,"</i> Thomas Wiegand, Michael Lightstone, T. George Campbell and Sanjit K. Mitra, Center for Information Processing Research, Department of Electrical and Computer Engineering University of California, Santa Barbara				
EXAMINER /Anand Rao/ (06/29/2008)			DATE CONSIDERED 06/29/2008		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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### U.S. PATENT DOCUMENTS

E.I.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS s	FILING DATE
	AA1					
	AB1					
	AC1					
	AD1					
	AE1					
	AF1					
	AG1					
	AH1					
	AI1					
	AJ1					
	AK1					

### FOREIGN PATENT DOCUMENTS

E.I.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	AL1					
	AM1					
	AN1					

### OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AO1	"A New Three-Step Search Algorithm for Block Motion Estimation," R. Li, B. Zeng, and M. L. Liu, IEEE Transactions on Circuits and Systems for Video Technology, Vol. 4, No. 4, pp. 438-442, August 1994.
	AP1	"A New Diamond Search Algorithm for Fast Block-Matching Motion Estimation," Shan Zhu and K.K. Ma, IEEE Transaction on Circuits and Systems for Video Technology, Vol. 9, No. 2, pp. 287-290, February 2000.
	AQ1	"Rate Control in DCT Video Coding for Low-Delay Communications", Jordi Ribas-Corbera and S. Lei, IEEE Transactions on Circuits and Systems for Video Technology, Vol. 9, No. 1, pp. 172-185, February 1999.
	AR1	"A Novel Four-Step Search Algorithm for Fast Block Motion Estimation", Lai-Man Po and Wing-Chung Ma, IEEE Transactions on Circuits and Systems for Video Technology, Vol. 6, No. 3, pp. 313-317, June 1996.
	AS1	"JPEG 2000 and Region of Interest Coding", Andrew P. Bradley, Fred Stentiford, Digital Image Computing Techniques and Applications, Melbourne, Australia, pp. 1-6, January 2002
	AT1	"Embedded Foveation Image Coding", IEEE Transactions on Image Processing, Vol. 10, No. 10, pp. 1397-1410, October 2001.
EXAMINER	/Anand Rao/ (06/29/2008)	
	DATE CONSIDERED	06/29/2008

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